

Error Detection

Q1.

- a. In a CRC error detection scheme, choose $P(x) = X^4 + X + 1$. Encode the bits 10010011011 using Shifted Polynomial method.
- b. Repeat the above problem using Base-2 method.
- c. Suppose the channel introduces an error and the string 000110110111100 is received. Will the error be detected?
- d. If 000010110111100 is received will error be detected?

Q2.

What is the difference between odd parity and even parity?